Fin 180 days
Dlp. 12 months

Original / Duplicate / Triplicate Sub code- 017-19-000002

CONTRACT CERTIFICATE

(For Other Works)

& Part Bill

Division : RRN Sub Division : YPR AEE/YPR/SBD/33/2020-21 Dt- 28/07/2020 Date: .....20.....

Bill Received No.....Dated.....Cash Book Voucher No. .....Dated.....

Scheduled Doctet No. Head of Account P3285 - M&R - School/college Bldg

Name of Work (As per sanctioned estimate) : **Providing repairs maintenance infrastructures upgradation construction to BBMP School College Building in Ward No.17**

Name of Contractor and Full Address: The Technical Manager, KRIDL

T.value - 4000000/-

Reference to Agreement No. W. O. No EE/RRND/WONo.000458 /2019-20, d Dt: 19/03/2020

Certified that the measurements were taken by me on .....20/7/2020.....and recorded of pages 542001 to 542020/1 of measurement Book No.5421/1 and that the work is satisfactorily executed.

Contractor *Officer-in-Charge of work*

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Certified that the measurements were taken by me on 20/7/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the

Job Number: 017-19-000002

If Memorandum of Payment

Assistant Executive Officer

1	Total value of work done or supplied made as per account within	2862875	FSD
2	Deduct amount to be held in reserve being.....percent Rs.	343545	QSD.12%
3	..... " ..... Balance	3206420	Total
4	1) Deduct Payment		
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S. D. No.	143200	FSD
	Amount adjusted towards cash advance recovery of	57260	CA
	b) Payments cost store or other materials supplied.	28630	CMST
	No made recovery of amount creditable to this/other work	28630	EMST
	Amount paid on this bill Cheque/Cash	28630	LWP
5	Balance being unpaid value of work done held in reserve	28630	LR
6	Deduct cash advance made on the Office Cash Book Voucher No. ..... Dated.....less adjustments	30280	CSF
		27390	
7	Net amount due to or from contractor	319420	Total
	Unadjusted items	2887000	Chq
8	Advance to contr5actor for materials brought to site (as detailed) within value of Government materials supplied	3206420	Total

Contractor's Signature

Received Rs. ..... (in words)

.....

by Cash and by adjustment of Payment as per memorandum.

Witnesses :

1)

2)

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

(For use in this Office)

Dated: .....

Signature of Contractor

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Stamp

Admitted Rs. 3206420.00

Paid by me by Cheque No. ..... Dated .....

Cheque Rs. 2887000.00

Twenty Eight lakh Eighty Seven Thousand only

Cash Rs. ..... Dated ..... *Executive Engineer*

Adjustment Rs 319420.00

Case

Account Superintendent

Executive Engineer

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Sl No	Description of item's	Unit	Previous Measurements		Present Measurements			Total Up to Date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRB 2-1.1 : Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	cum			69.60	169.56	11801.38	69.60	11801.38
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in hard soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.	cum			28.83	305.64	8811.60	28.83	8811.60
3	KSRRB M200-24 Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	cum			29.64	843.48	25000.75	29.64	25000.75
4	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.	cum			128.06	110.56	14158.31	128.06	14158.31
5	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum			35.99	5449.68	196127.17	35.99	196127.17
6	KSRB 5.2-2 Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials labour, curing etc., complete as per specifications.	cum			23.14	4521.96	104653.98	23.14	104653.98
7	KSRB 5.3-3 Providing and constructing granite/trap/basalt/size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m apart in each course including cost of materials, labhour, curing complete as per specifications.	cum			30.89	5405.40	166972.81	30.89	166972.81
8	KSRB 15.1.1 : Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep,after raking joints to depth 20mm nicely, liming, including cost of materials, labhour, curing complete as per specifications.	sqm			51.14	104.76	5357.69	51.14	5357.69
9	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs. with 20mm and down size graded granite metal course aggregates @ 0.878 cum and fine aggregates @ 0.53 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum			13.03	5876.28	76589.08	13.03	76589.08

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10	KSRB 4-2.8 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granie metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase linels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labhour, HOM of machinery, curing, complete as per specifications.	cum						
11	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.	sqm						
12	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete	Tonne,s						
13	Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. - using 19mm thick granite width not less than 1200mm	sqm						
14	Providing RCC lofi (atta) 7.5cms thick with cement concrete design mix M20 using clean granite or trap jelly of 20mm and down size with necessary reinforcement at 20cms centre to centre as per design including form work, centring, curing, finishing the exposed faces with cement mortar (1:3) etc., complete (exlusive of cost of steel and fabrication charges).	sqm						
15	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	sqm						
16	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.	sqm						
17	KSRB 15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.	sqm						

		44.32	6650.64	294778.98	44.32	294778.98
		159.83	414.72	66284.70	159.83	66284.70
		4.18	60534.00	253157.76	4.18	253157.76
		110.32	2760.48	304536.15	110.32	304536.15
		3.60	486.00	1749.60	3.60	1749.60
		125.03	1011.96	126525.36	125.03	126525.36
		173.34	208.44	36129.95	173.34	36129.95
		97.52	263.52	25698.47	97.52	25698.47

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21	KSRB 7.9 :Providing and fixing in position MS grill work for windows & ventilators weighing 21 kg/Sqm using MS flats or MS square rods or combination of MS flats & square rods as per design drawing including cutting steel sections welding the same to required pattern with a coat of red lead primer, including cost of materials, fixtures, labhour charges and HOM of machineries complete as per specifications.	kg,s	7.20	84.24	606.53	7.20	606.53
23	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.		6.51	5641.92	36728.90	6.51	36728.90
24	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600x600x10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spaces at required interval and removing stains etc., complete as specifications.	sqm	146.81	1200.96	176312.94	146.81	176312.94
29	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confirming to IS.2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100 size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound confirming IS.2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs.(c) After two days of proper curing,applying a second coat of cement slurry admixed with proprietary water proofing compound. (d) Finishing the surface with 20mm thick jointless cement moratr of mix 1:4 admixed with proprietary water proofing cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labhour complete as specifications.	sqm	185.46	976.32	181068.31	185.46	181068.31
30	KSRB 8.6-8 : Providing and fixing on wall surface 4.0kg/sq.cm H.D.P.E rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends, and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labhour, complete as per specifications.	Rmtr	30.00	613.44	18403.20	30.00	18403.20
31	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labhour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre	No,s	2.00	9144.36	18288.72	2.00	18288.72
32	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P.brass pillar taps with C.I./ M.S brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications.	No,s	2.00	4196.88	8393.76	2.00	8393.76

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33	KSRB 11-15.3 : Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labhour complete as per specifications.	No,s				
34	KSRB 11-17-1 : Providing and fixing C.P. brass towel rail 600mm length, 20mm dia with C.P.brackets, fixed to wooden cleats with C.P.brass screws including cost of materials,labhour complete as per specifications.	No,s				
35	KSRB 13-9.1 : Providing and fixing to wall, ceiling and floor high density polyethlene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labhour charges, HOM of equipments and testing complete as per specifications.	Rmtr				
36	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc.	Rmtr				
37	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 25mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc,	Rmtr				
38	KSRB 13-6.2-2 : Providing and fixing in position brass stock cock of approved quality 20mm nominal bore including cost of all materials, labhour and HOM of equipements with all leads complete as per specifications.	No,s				
41	Removing and refixing stone slabs of drains and pointing in CM (1:30).	sqm				
42	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.	sqm				
43	Open conduit System. Supplying heavy gauge PVC conduit pee ... dia confirming to S 2509 with suitable size bends. plugs in case of RCC Ceding and RCC wall stone structure or rawf plugs in case of brick walls and cement plastering damaged Portion using heavy gauge saddles at an interval of 700mm using WF screws) 19/20 mm dia 2mm thick.					
	A) 19/20mm dia 2mm thick	Rmtr				
44	B) 25MM DIA 2MM thick	Rmtr				
45	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting. necessary masonry patch work complete .					
	a) 12"x12"x3" (300x300 76mm)					
46	b) 10"x7"x3" (1254x178x 76mm)	Each				
47	c) 8"x6"x3" (203x152x76mm)	Each				
48	Wring for lighting/power circuit using one of PVC insulated 100v grade. muftis and Copper conductor single core cable in open or consealed system of wing I Group A Matenals.	Each				
	a) 1.5 sqmm					
49	b) 2.5 sqmm	Rmtr				
50	c) 4 sqmm	Rmtr				
		Rmtr				

		4.00	1274.40	5097.60	4.00	5097.60
		2.00	766.80	1533.60	2.00	1533.60
		10.00	511.92	5119.20	10.00	5119.20
		30.00	226.80	6804.00	30.00	6804.00
		30.00	270.00	8100.00	30.00	8100.00
		6.00	172.80	1036.80	6.00	1036.80
		329.88	82.08	27076.55	329.88	27076.55
		270.00	841.32	227156.40	270.00	227156.40
		230.00	54.00	12420.00	230.00	12420.00
		100.00	70.00	7000.00	100.00	7000.00
		30.00	116.00	3480.00	30.00	3480.00
		30.00	87.00	2610.00	30.00	2610.00
		30.00	73.00	2190.00	30.00	2190.00
		400.00	18.60	7440.00	400.00	7440.00
		300.00	29.20	8760.00	300.00	8760.00
		150.00	42.10	6315.00	150.00	6315.00

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51	Point wiring using copper wire with switch Supplying and wine.; adopting loop system in existing PVC Conduit/casing coping using Copper PVC rivaled multi strand 2x1.5Somm copper wire with a 6Amps flush type SP commit switch shall be fixed on the existing plastic sheet /gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete lot each outlet. I. Point wiring using class A materials. a) Short point upto 31,1tr from tapping point to out let via switch.	No,s		90.00	174.00	15660.00	90.00	15660.00
52	Supplying 6A flush projected type socket and a 6 amps flush protected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. b) 6Amps 3/5 way.	No,s		50.00	150.00	7500.00	50.00	7500.00
53	Supplying and fixing hylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches. regulators etc , and fixing on existing wood or metal box using N.F.screws.	sqcm		4000.00	0.22	880.00	4000.00	880.00
54	Supplying, fixing. wiring. earth electrode for grounding conduits. I C. cutouts and other r requirements on the meter board using 40rnm du 1.90 thick GL pipe 25 rob long buried in a pit....The pa should be filled with equal proportion of salt and charcoal 150rnm alround the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through Gl wire of size as per ISl specification 7.3.3. of IS 732 using 12mm dia bolts, nuts. washers and checkouts etc. the pipe shall have 16 through holes of 122mm dia.	No,s		2.00	2727.00	5454.00	2.00	5454.00
55	Supplying box type suitable for 28W T5 single / twin Lamp 8 suspension mounted luminaire 8 optical reflector. Prewired with HF electronic Ballast. push fit type tamp holders holders 8 main connectors. Channel Cover shag be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 1x4' – 28 watts.	No,s		55.00	990.00	54450.00	55.00	54450.00
56	Fixing all types and as capacities fluorescent/ false ceiling/ spot light/ CFL fitting indoor on the wan/ ceiling/ rafters/ girders using 23/ 0.0076 twin twisted PVC insulated wires, required nos of round blocks and camps. A) On wall/ ceiling/ rafter/ girders.	No,s		55.00	98.00	5390.00	55.00	5390.00
60	Supplying and fixing of Procelain fuse channel with cut out on existing wooden / panel using necessary nuts. bolts and washers etc., complete a)63 Amps.	No,s		10.00	234.00	2340.00	10.00	2340.00
61	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC extruded inner sheathed,galvanized. steel strip (except 2CX10Sqmm wire armoured) confirming to IS 3975:1990 (No. of strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. a) 4 core 16 sqmm.	Rmtr		300.00	140.40	42120.00	300.00	42120.00
62	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe on wall / on pole as required. In existing trench / duct. a) 6 sqm to 16 sqmm.	Rmtr		250.00	10.80	2700.00	250.00	2700.00
63	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.	Rmtr		50.00	212.00	10600.00	50.00	10600.00
64	Supplying and fixing miniature circuit breakes on existing C8 distribution boards using necessary ruing materials and wiring complete as -1-d-red ,2. Group 'A'.							
	b) 40-63Amps SP	No,s		15.00	677.00	10155.00	15.00	10155.00
65	d) 40-63Amps DP, Group A	No,s		20.00	1093.00	21860.00	20.00	21860.00
66	Supplying and flung of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary cclamping arrangements for UG cable of 1.1 KV class.	Rmtr		40.00	345.00	13800.00	40.00	13800.00

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67	Supplying & fixing L.T.cast von pot heads suitable for 1 1 KV class UG cable filled will necessary bitumen/insulating compound complete with manna, damps. bolts, nuts and washers ect.	No,s	
68	Supply and fixing of backlite D.P/Socket/switch with /without neon indicator over existing wood board or flush mounting in plastic plates/ nitches 1. Using group 'A' material	No,s	
69	Fabricating supplying and mounting MS box made out SWG sealable ea floor / wall mounting, fully weather proof with provision for bolter heat dissipation . provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with 'necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished ii-r approved colour enameled metal pan etc.. complete.	No,s	
70	Supplying and fixing regular MCB distribution boards on wall/woodboard / flush mounting using reputed calmps. bead, nuts etc.. with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coaled painting etc.. complete. II Double Door. .Group A.	No,s	

Contractor

		4.00	280.00	1120.00	4.00	1120.00
		20.00	194.00	3880.00	20.00	3880.00
		40000.00	0.33	13200.00	40000.00	13200.00
		10.00	5138.00	51380.00	10.00	51380.00
			TOTAL Rs	2752764.23		2752764.23
					Add KRIDL Charges @ 4%	110110.57
					Add GST @12%	330331.71
					GRAND TOTAL RS	3193206.51

343545

3206420

Assistant Engineer
Ward NO-17

Assistant Executive Engineer
Yeshwanthpura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

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